

FIG. 1

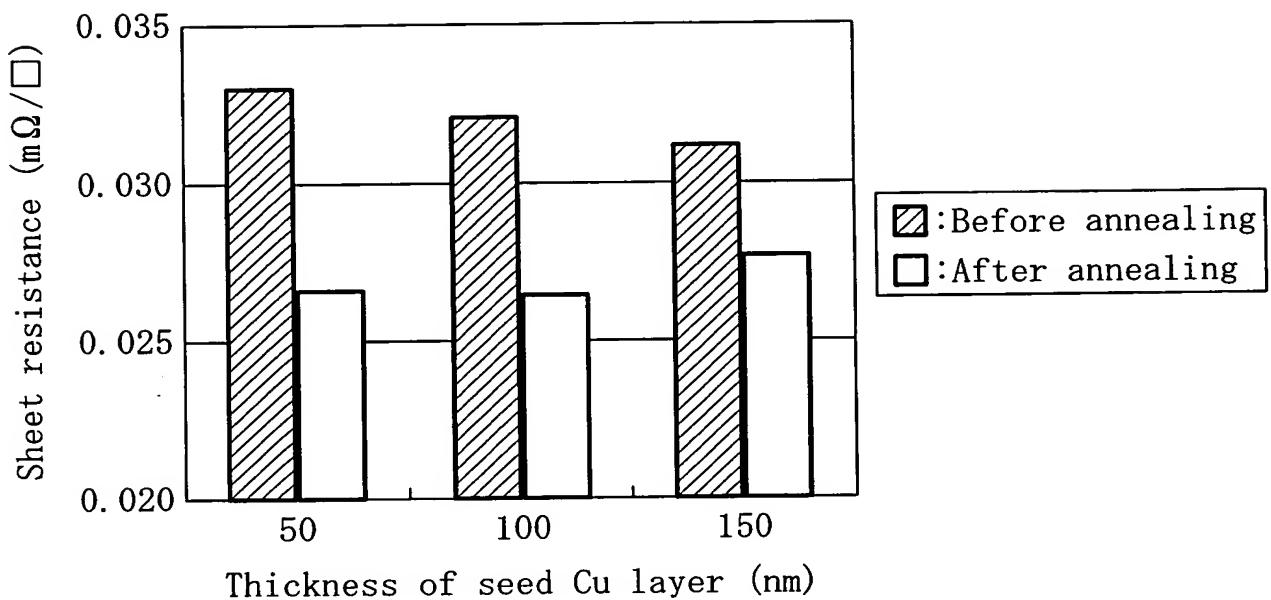


FIG. 2

Thickness of seed Cu layer + Thickness of plated Cu film = 700nm [Constant]

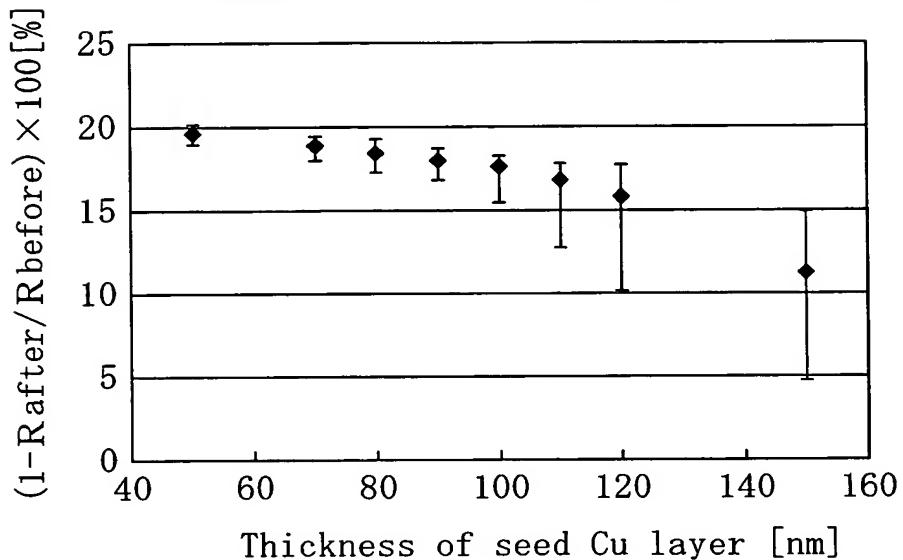


FIG. 3

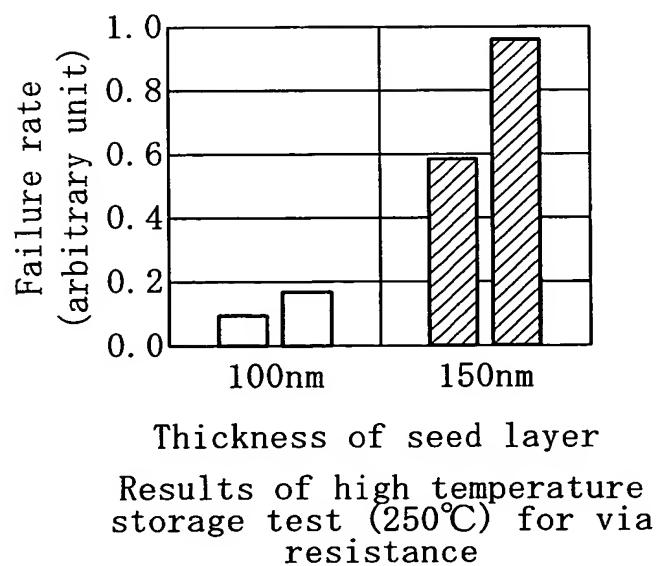


FIG. 4A

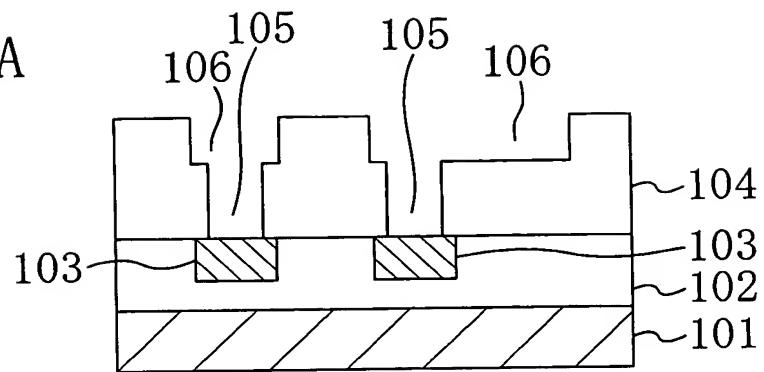


FIG. 4B

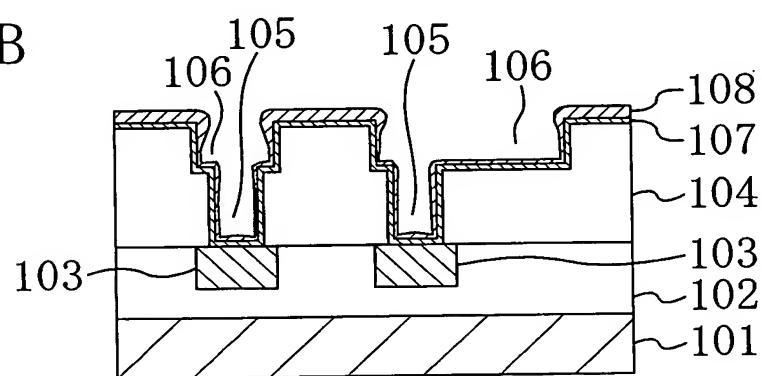


FIG. 4C

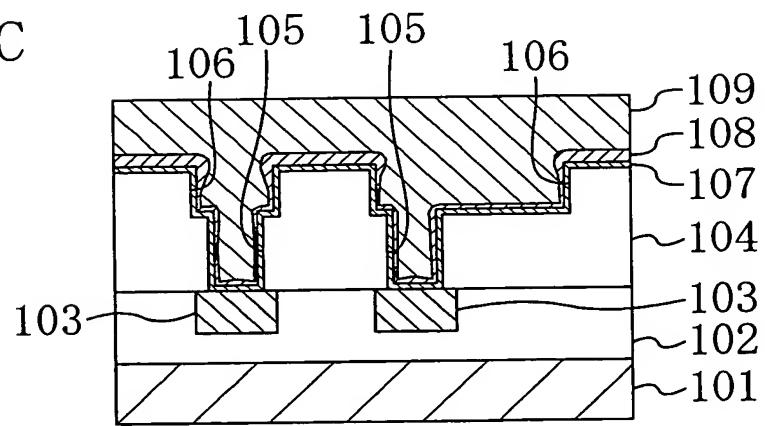


FIG. 5A

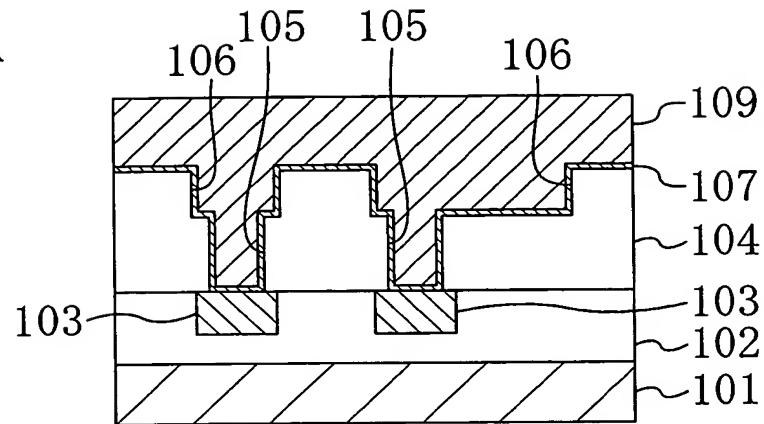


FIG. 5B

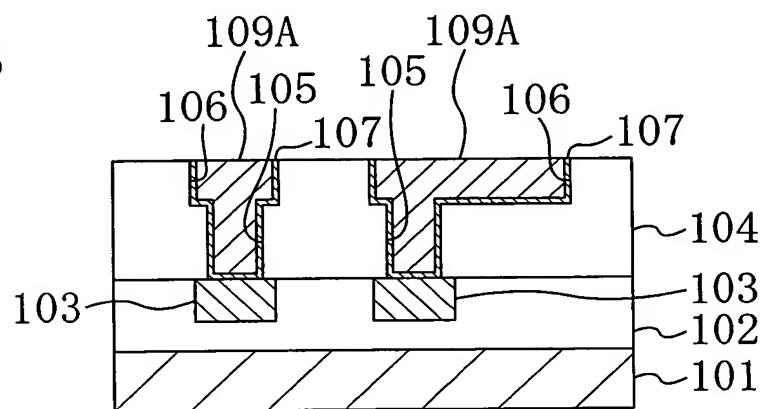
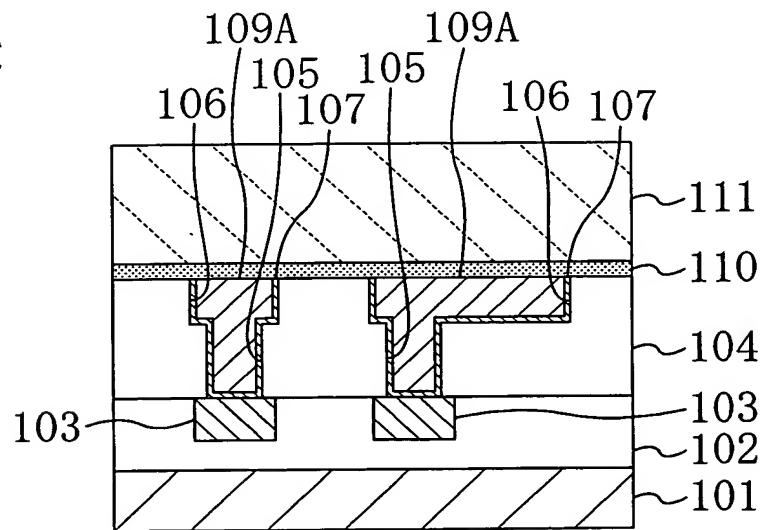


FIG. 5C



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FIG. 6A

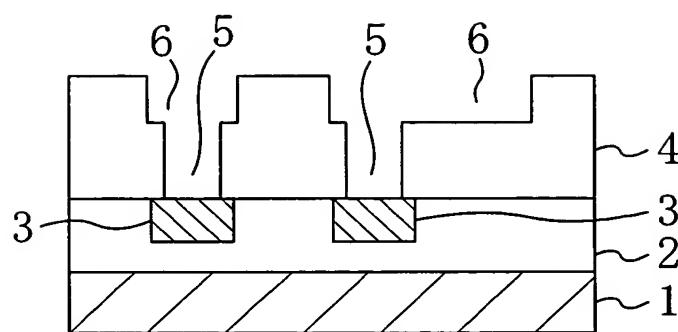


FIG. 6B

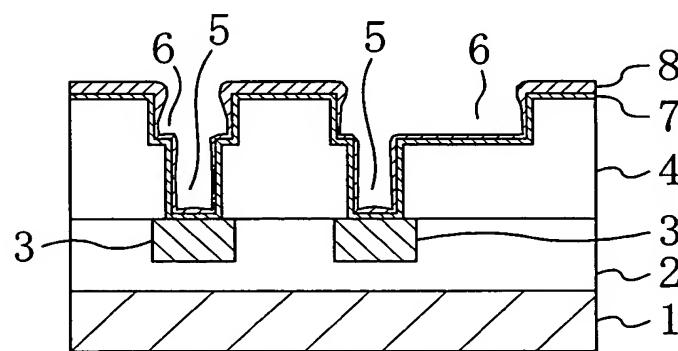


FIG. 6C

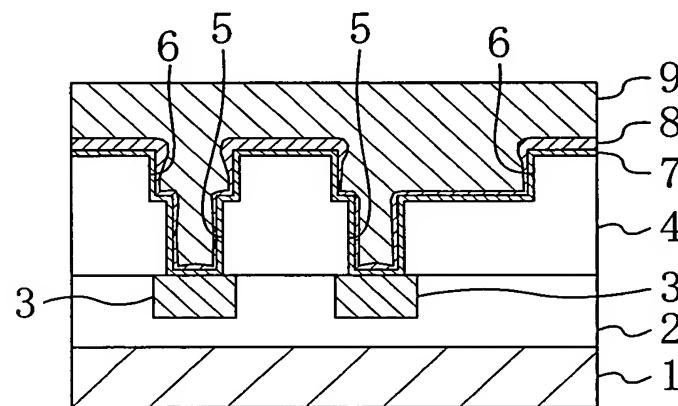


FIG. 6D

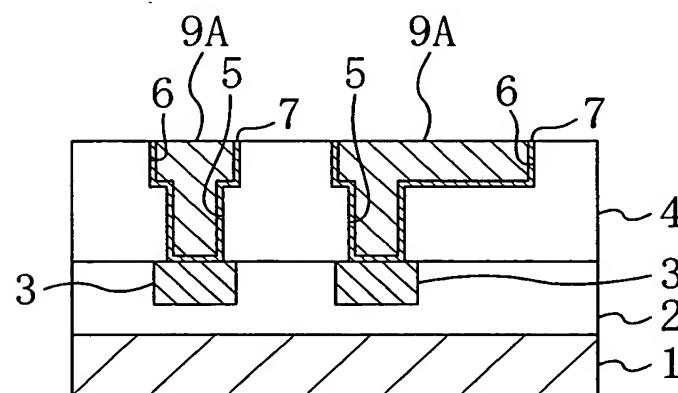


FIG. 7

PRIOR ART

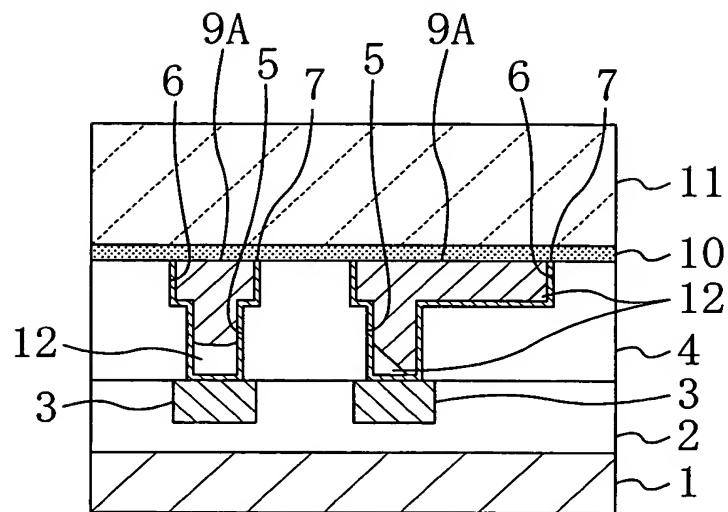


FIG. 8

PRIOR ART

